| Inde | ex of | Clair | ms |
|------|-------|-------|----|
| | | | |

| · · · · · · · · · · · · · · · · · · · | App | lication/Con | trol | No. |
|---------------------------------------|-----|--------------|------|-----|
|---------------------------------------|-----|--------------|------|-----|

10/810,957 Examiner

Roy K. Potter

Date

Applicant(s)/Patent under Reexamination

TRAN, DONALD T:

Art Unit

2822

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N

Interference

Appeal Objected

| Claim | Cli | aim | Date | | | | | | | Claim | | | | | _ | | |
|---|--|----------|----------|----------|----------|----------|----------|--------------|----------|-----------------|----------|--|-------|----------|-----------------|----------|----------|
| 1 + - - 51 52 - 53 - 53 - 53 - 55 - 55 - 56 - 57 - - 56 - 57 - - 56 - 57 - - 56 - 57 - - 56 - 57 - - 56 - 57 - - 56 - 57 - - 56 - 57 - - 56 - 57 - - 66 - 60 - - 60 - - 60 - - 61 - - 66 - - - - 62 - - - 66 - | - 0.0 | | \vdash | 1 | | 一 | 1 | - | | | \dashv | | 0.0 | | | - | Г |
| 2 | Final | Original | 7/26/05 | | | | | | | | | | Final | Original | | | |
| 2 | | 1 | + | Г | \Box | Г | Г | Г | | | \neg | | | 51 | | | Γ |
| 3 + - - 53 - 54 - 55 - 55 - 56 - 56 - 56 - 57 - - 56 - 57 - - 56 - 57 - - 58 - - 57 - - 58 - - 57 - - 58 - - 57 - - 58 - - 57 - - 58 - - 57 - - - 56 - 57 - - - 60 - - - - - 60 - - - 60 - <td< td=""><td></td><td></td><td>+</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>52</td><td></td><td></td><td>Γ</td></td<> | | | + | | | | | | | | | | | 52 | | | Γ |
| 5 + - 55 56 7 + - 57 - 58 - 57 - 58 - 57 - 58 - - 57 - 58 - - 57 - - 58 - - 57 - - 58 - - 57 - - 58 - - 59 - - 60 - - 61 - - 61 - - 62 - - - 62 - - - - 62 - - - 62 - - - 63 - - - 62 - - - - 63 - - - - | | 3 | + | | | | | | | | | | | 53 | | | |
| 6 + - 56 57 57 8 + - 58 59 60 10 + - 60 61 61 61 62 63 63 63 63 64 64 64 64 64 65 65 66 66 66 67 68 68 68 69 70 71 71 71 72 72 72 72 72 72 72 72 72 72 72 73 74 74 74 75 75 76 77 78 78 78 <td></td> <td></td> <td>+</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Ш</td> <td>_</td> <td></td> <td></td> <td></td> <td>Щ</td> <td></td> <td>L</td> | | | + | | | | | | | Ш | _ | | | | Щ | | L |
| 7 + 57 58 9 + 60 60 10 + 61 62 11 + 62 63 13 + 66 63 14 + 66 66 15 + 66 66 17 + 66 67 18 + 68 68 19 + 70 71 21 + 77 71 22 + 77 72 23 + 77 73 24 + 77 77 28 + 77 78 29 9 90 80 31 81 81 81 32 82 83 83 33 34 84 85 36 86 86 96 37 87 88 99 40 90 90 90 41 91 | | | - | _ | _ | | _ | <u> </u> | <u> </u> | Ш | _ | | | | <u> </u> | | L |
| 8 + - 58 59 10 + - 60 60 11 + - 61 61 12 + - 63 63 14 + - 64 64 15 + - 65 65 16 + - 66 66 17 + - 68 69 20 + - 70 70 71 21 + - 77 72 72 23 + - 76 69 70 71 71 72 72 72 72 72 73 73 73 74 74 74 74 74 74 74 74 74 74 75 75 75 76 76 76 77 77 78 80 80 80 80 81 81 82 83 83 83 83 83 83 83 83 84 | | | - | | | | _ | <u> </u> | <u> </u> | Ш | | | | | Ш | | L |
| 9 + 60 10 + 60 11 + 61 12 + 62 13 + 63 14 + 64 15 + 65 16 + 66 17 + 67 18 + 68 19 + 69 20 + 70 21 + 71 22 + 72 23 + 73 24 + 74 25 + 75 26 + 76 27 + 77 28 + 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 95 96 44 94 | | | - | _ | <u> </u> | _ | | <u> </u> | | \vdash | | | | | Н | | L |
| 10 + 60 11 + 61 12 + 62 13 + 63 14 + 64 15 + 66 16 + 66 17 + 67 18 + 68 19 + 69 20 + 70 21 + 71 22 + 72 23 + 73 24 + 74 25 + 75 26 + 76 27 + 77 28 + 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 37 87 38 88 37 87 38 88 39 90 41 | | | | - | <u> </u> | <u> </u> | | <u> </u> | <u> </u> | \vdash | | | | | $\vdash \vdash$ | | ŀ |
| 11 + 61 62 62 13 + 63 63 64 15 + 65 65 66 16 + 67 67 67 18 + 68 69 69 69 20 + 70 71 71 72 72 73 74 74 74 74 74 74 74 74 74 77 | | _ | | ┝ | - | \vdash | - | - | | H | | | | | ┝╌┥ | | H |
| 12 + 62 13 + 63 14 + 64 15 + 65 16 + 66 17 + 67 18 + 68 19 + 69 20 + 70 21 + 71 22 + 72 23 + 73 24 + 74 25 + 75 26 + 76 27 + 77 28 + 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 | | | - | ┢ | - | - | | \vdash | | H | \dashv | | - | | \vdash | | H |
| 13 + - - 63 - 64 - 64 - 64 - 65 - 65 - 66 - 67 - - 66 - 67 - - 68 - - 68 - - 69 - - - 70 - - - 70 - - - 70 - - - - - - - - - - - - - - - - - - - - | - | 12 | _ | ┢ | | ┝ | ⊢ | H | ┝ | \vdash | \dashv | | | 62 | \vdash | _ | H |
| 14 + - - 64 - 65 - 65 - 66 - 67 - 66 - 67 - - 66 - 67 - - 66 - 67 - - 68 - - 69 - - 70 - - 71 - 72 - - 72 - - 72 - - - 72 - - - - 72 - - - - - - - - - - - - - - - - - - - - - - - - </td <td><u> </u></td> <td></td> <td></td> <td>H</td> <td></td> <td>7</td> <td>-</td> <td>-</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td>63</td> <td>\vdash</td> <td></td> <td>H</td> | <u> </u> | | | H | | 7 | - | - | - | | | | | 63 | \vdash | | H |
| 15 + - - 65 - 66 - 67 - - 66 - 67 - - 67 - - 67 - - 67 - - 67 - - 67 - - 67 - - 68 - - 67 - - 68 - - 69 - - - 70 - - - 70 - - - 70 - - - 71 - - - - 71 - - - - - - - - - - - - - - - - - - - - - - - - </td <td> </td> <td></td> <td>-</td> <td>\vdash</td> <td></td> <td>_</td> <td>┢</td> <td>\vdash</td> <td>\vdash</td> <td>Н</td> <td>\dashv</td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td>H</td> | | | - | \vdash | | _ | ┢ | \vdash | \vdash | Н | \dashv | | | | | _ | H |
| 16 + - - 66 - 67 - - 67 - - 67 - - 67 - - 68 - - 68 - - 69 - - 70 - - 71 - - 71 - - - 71 - - - - 71 - - - - - - - - - - - - - - - - - - - - - - - - - - - | | | + | \vdash | _ | | | \vdash | \vdash | H | \dashv | | | 65 | Н | _ | H |
| 17 + | | | + | | | | | | \vdash | H | | | | | | | r |
| 18 + | | | + | | | | | | \vdash | | | | | | | | Г |
| 20 + - - 70 71 71 72 72 72 72 72 73 73 74 74 74 74 74 74 74 74 74 74 74 74 74 74 74 74 74 75 75 76 77 77 77 78 79 78 79 78 79 30 80 80 81 81 82 33 81 81 82 33 83 83 83 83 83 83 83 83 83 84 84 85 86 86 86 86 86 86 86 88 89 89 89 90 90 91 91 92 92 92 93 94 94 94 94 94 94 94 95 96 97 97 98 98 99 99 99 99 99 99 99 99 99 99 99 99 99 99 99 | | | + | | | | | | | П | \neg | | | | | | Γ |
| 21 + | | 19 | + | | | | | | | П | | | | 69 | | | Γ |
| 22 + - 72 73 73 74 74 74 74 75 75 75 75 76 77 75 76 77 77 77 77 78 79 78 79 79 30 80 81 81 32 82 33 81 82 33 83 83 83 83 83 83 83 83 84 84 85 86 86 86 87 38 88 88 89 89 90 90 91 91 92 94 94 94 94 94 94 94 94 94 95 96 97 97 98 99 9 | | | + | | | | | | | | | | | 70 | | | |
| 23 + - 73 74 74 74 74 75 75 75 75 76 77 76 77 77 77 77 78 79 78 79 79 30 80 81 81 32 82 33 81 82 33 83 83 83 83 83 83 83 83 84 84 85 86 85 86 86 87 87 38 88 89 90 90 91 91 91 92 94 94 94 94 94 94 94 94 95 96 97 97 98 99 9 | | | + | | | | | | | Ш | | | | | | | |
| 24 + | | | | | | | | | | Ш | _ | | | 72 | | | L |
| 25 + - 75 76 26 + - 76 77 28 + - 77 78 29 - - 79 79 30 - 80 81 81 32 - 82 83 83 34 - 84 84 85 36 - 86 85 86 37 - 87 88 89 40 - 90 90 91 91 41 - 92 93 94 94 94 43 - 96 96 97 98 98 99 99 | | | | | | | | L | | Ш | [| | | | | | L |
| 26 + - 76 77 77 77 78 78 78 78 78 79 30 79 30 80 81 81 82 33 82 33 83 83 83 83 83 83 83 83 83 84 84 85 85 85 86 85 86 87 38 88 88 89 90 90 90 90 91 91 91 92 94 94 94 94 94 94 94 94 95 96 97 97 98 98 99 9 | <u> </u> | | - | | <u> </u> | | | | _ | Ш | | | | | \square | | L |
| 27 + - 77 78 78 78 79 79 30 80 81 81 82 33 82 83 83 83 83 83 83 83 83 83 84 84 85 85 85 86 85 86 87 88 88 88 89 90 90 90 90 90 91 91 92 93 94 94 94 94 94 95 96 97 98 98 99 9 | | | - | | | _ | | | <u> </u> | \vdash | _ | | | 75 | | | L |
| 28 + | | | \vdash | | | | | H | L | Н | - | | | 76 | $\vdash \vdash$ | _ | L |
| 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 99 49 99 | - | | _ | | <u> </u> | | | | _ | \vdash | | | | | Н | | H |
| 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 90 42 92 43 93 44 94 45 95 46 96 47 97 48 99 49 99 | \vdash | | - | | - | | | | <u> </u> | \vdash | \dashv | | | 70 | \vdash | | H |
| 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 99 49 99 | | | Н | - | | _ | \vdash | \vdash | - | $\vdash \vdash$ | \dashv | | | | \vdash | - | ┝ |
| 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | 31 | Н | - | | | | _ | - | \vdash | \dashv | | | | \vdash | _ | H |
| 33 83 34 84 35 85 36 86 37 88 38 88 39 88 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | | | | _ | _ | _ | \vdash | H | \neg | | | 82 | H | _ | H |
| 34 84 35 85 36 86 37 88 38 88 39 88 40 90 41 90 42 92 43 93 44 94 45 95 46 96 47 97 48 99 49 99 | | | | | | | | | _ | Н | | | | | | | Γ |
| 35 85 36 86 37 87 38 88 39 90 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | | | | | | | | П | | | | | | | Г |
| 37 87 38 88 39 90 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | 35 | | | | | | | | | | | | 85 | | | |
| 38 88 39 90 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | 36 | | | | | | | | | | | | | | | |
| 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | | | | | | | | Ш | _ | | | | | | L |
| 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | | | | | | | | Ш | _ | | | | Ш | | L |
| 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | | | | | | | _ | | | | | 89 | | | L |
| 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | | _ | _ | | | | | | | | | | \sqcup | | L |
| 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | _ | _ | _ | | _ | | | H | | | | | \vdash | _ | L |
| 44 94 45 95 46 96 47 97 48 98 49 99 | | 42 | Н | _ | | \vdash | _ | \vdash | _ | \vdash | | | | 92 | | _ | \vdash |
| 45 95 46 96 47 97 48 98 49 99 | | | \vdash | - | | | | - | _ | \vdash | | | | | \vdash | | H |
| 46 96 47 97 48 98 49 99 | | 45 | \vdash | \vdash | \vdash | — | | \vdash | - | \vdash | \dashv | | | | \vdash | \dashv | \vdash |
| 47 | - | | Н | H | - | H | | | ┢ | H | - | | | | \vdash | \dashv | ۲ |
| 48 98 99 99 99 99 99 99 99 99 99 99 99 99 | | 47 | Н | Н | | | _ | | _ | H | \dashv | | | | \vdash | ᅥ | ۲ |
| 49 99 50 100 | | 48 | H | П | \Box | \Box | | | | \Box | | | | | \Box | \neg | Γ |
| 50 100 | | | | | | | | | | | | | | | \Box | ╗ | Γ |
| | | | | | | | | | | | | | | | | | Ĺ |

| 100 | | • | aim _ | | | | | | | | $\overline{}$ | |
|----------|-----|-------|--|----------|--------------|----------|----------|----------|----------|--------------|-------------------|--------------|
| | | - | | | ı | | | l i | | | | |
| | | | na na | | | | | | | | | |
| | | Final | į | | | | | | | | | |
| | ::: | ш | Original | | | | | | | | | |
| | | | | | L_ | | | | | | ļ | Ш |
| | | | 101 102 | | | | | | | | L | |
| | ::: | | 102 | | | | | | | | | |
| 1 | | | 103 | | | | | | | | | |
| 1:: | ::: | | 104 | | | | | | | | | |
| 1:: | | | 104 105 | | | H | | _ | _ | | \vdash | Н |
| lii | | | 106 | | _ | H | | | | - | H | Н |
| lii | | | 100 | | ┝ | - | - | | | - | ┢ | \vdash |
| lii | | | 107 108 | _ | - | \vdash | _ | \vdash | _ | - | ⊢ | Н |
| l | | | 108 | \vdash | ┝ | - | _ | | _ | - | ┝ | Н |
| ł | | | 109 | | _ | \vdash | _ | | | <u> </u> | <u> </u> | _ |
| Į: | | | 110 | | | | | | | _ | <u> </u> | |
| | | | 111 | | <u> </u> | | L | Ш | _ | | ╙ | Ш |
| | | | 112 | | | <u> </u> | <u> </u> | L | | $oxed{oxed}$ | $ldsymbol{f eta}$ | Ш |
| | | | 112 113 | | | | L | | | L | L | $oxed{oxed}$ |
| | | | 114 | | | | | | | | | |
| 1 | | | 115 | | | | | | | | | П |
| lii | | | 116 | | | | | | | | | |
| 1 | | | 117 | | Г | \Box | | | | Г | | |
| 1 | | | 118 | П | \vdash | | | _ | | <u> </u> | | Н |
| lii | | | 119 | Н | \vdash | \vdash | \vdash | \vdash | | - | \vdash | H |
| ł | | | 120 | | \vdash | \vdash | _ | | _ | - | - | \vdash |
| ╢ | | | 120 121 122 | _ | | \vdash | \vdash | | | - | - | - |
| ł | | | 121 | _ | H | H | | | _ | _ | - | Н |
| | | | 122 | | L | | | | | \vdash | <u> </u> | Ш |
| l | | | 123 | | _ | | | | _ | _ | L. | Ш |
| iii | | | 123 124 125 126 127 128 | _ | <u> </u> | Ц | _ | | | \perp | L_ | Ш |
| i | | | 125 | | L | | | | _ | $oxed{oxed}$ | L | Ш |
| i | | | 126 | | | | | | | | | |
| | | | 127 | | | | | | | | | |
| 1:: | | | 128 | | | | | | | | | |
| 1:: | ::: | | 129 | | Г | | | | | | | |
| 1:: | ::: | | 130 | | _ | | | | | | | |
| 1 | | | 129 130 131 | | \vdash | П | \Box | П | _ | Т | 1 | |
| | | | 132 | Н | \vdash | Н | \vdash | <u> </u> | | \vdash | | \vdash |
| ł | | | 132 133 | - | _ | \vdash | | \vdash | _ | | | \vdash |
| l | | - | 124 | - | | | _ | Н | _ | ┝ | \vdash | Н |
| | | | 134 135 | - | ├ | ┝╌ | | H | _ | \vdash | \vdash | Н |
| iii | | | 135 | | \vdash | \vdash | <u> </u> | \vdash | | H | ├ | Н |
| Į: | | | 136 | | \vdash | \vdash | _ | Щ. | | H | <u> </u> | \vdash |
| Į | | | 137 138 139 | | \vdash | <u> </u> | | | | Ш | | Ш |
| l | | | 138 | Ш | $oxed{oxed}$ | ldash | | | <u> </u> | Ш | L. | Ш |
| lii | ::: | | 139 | | $oxed{oxed}$ | | | | | | _ | Ш |
| | | | 140 | | | | | | | | | |
| | | | 141 | | | | | | | . | | |
| :: | | | 142 | | | | | | | | | |
| 1:: | | | 143 | | | | | | | | | П |
| 1 | | | 144 | \vdash | _ | П | | \vdash | | \vdash | \vdash | \vdash |
| | | | 145 | | \vdash | | | Н | | _ | \vdash | Н |
| lii | | | 146 | | - | \vdash | | Н | - | \vdash | \vdash | Н |
| li | | | 140 | | \vdash | - | - | Н | - | \vdash | \vdash | Н |
| lii | | | 147 | | ⊢ | Н | | <u> </u> | | <u> </u> | <u> </u> | Щ |
| lii | | | 148 | | \vdash | Щ | <u> </u> | Щ | <u> </u> | _ | <u> </u> | Щ |
| | | | 149 | | \vdash | Щ | | | _ | _ | L. | Ш |
|]:: | ::: | | 150 | | L | | | L | | | L | |